AMENDMENTS TO THE CLAIMS

1   1-10.   (Canceled)

1   11.   (Original) A method of determining enforcement security devices in a network

2   topology, the method comprising the computer-implemented steps of:

3   locating a plurality of adjacent nodes in a sequence, the plurality of adjacent nodes

4   being between a source node and a destination node in the network topology,

5   each located node in the sequence having at least two adjacent nodes,

6   including a previous node in the sequence and a next node in the sequence,

7   wherein for each located node in the plurality of adjacent nodes, the next node

8   is different than the previous node;

9   for each located node in the sequence:

10   determining if the located node is the destination node, and if the located node is the

11   destination node, then identifying each node in the sequence as being part of a

12   path closure set between the source node and the destination node;

13   determining if the located node is a loop closure node, and if the located node is a

14   loop closure node, then determining if one or more nodes in the sequence that

15   are part of a loop path defined by the loop closure node are already designated

16   as being part of the path closure set, and

17   if one or more nodes in the sequence that are part of a loop path defined by the loop

18   closure node are already designated as being part of the path closure set, then

19   designating each node in the loop path as part of the path closure set, else

20   designating each node in the loop path as part of the path closure set if at least

21   a designated node in the loop path is subsequently determined to be

22   part of the path closure set.

1   12.   (Original) A method as recited in Claim 11, wherein locating a plurality of adjacent

2   nodes in a sequence includes locating each node in the network topology using the sequence.

1   13.   (Original) A method as recited by Claim 11, further comprising identifying one or

2   more enforcement security devices from nodes in the path closure set.

1   14.   (Original) A method as recited in Claim 11, further comprising identifying one or

2   more enforcement security devices from nodes in the path closure set, and implementing a

3   security policy on the identified one or more enforcement security devices.

1   15.   (Original) A method as recited in Claim 11, determining that the located node is a

2   loop closure node includes determining that the located node was located as a next node for

3   at least two other nodes in the sequence.

1   16.   (Original) A method as recited in Claim 11, wherein designating each node in the

2   loop path as part of the path closure set if a designated node in the loop path is subsequently

3   determined to be part of the path closure set includes designating each node in the loop path

4   as part of the path closure set if one of the at least two nodes in the sequence that are adjacent

5   to the loop closure node is subsequently determined to be part of the path closure set.

1   17.   (Original) A method as recited in Claim 11, wherein locating a plurality of adjacent

2   nodes in a sequence includes locating the plurality of nodes using a depth-first methodology.

1   18-30. (Canceled)

2   31.   (New) A computer-implemented method of determining security devices in a network

3   topology, the method comprising:

4   identifying a source node and a destination node for traffic that is to be sent through

5   the network topology;

6   for each particular node in the network topology, adding the particular node to a path

7   closure set for the source node and destination node if the particular node is

8   part of a looping sequence of nodes in which (a) at least one node in the

9   looping sequence is already designated as being part of the path closure set

10   and (b) the at least one node designated as being part of the path closure set is

11   not also a loop closure node for that looping sequence; and

12   storing a list of one or more security devices that occur in the path closure set.

13   32.   (New) A computer-implemented method of determining security devices in a network

14   topology, the method comprising:

15   identifying a source node and a destination node for traffic that is to be sent through

16   the network topology;

17   for each particular node in the network topology, adding the particular node to a path

18   closure set for the source node and destination node if the particular node is

19   part of a looping sequence of nodes in which at least one node adjacent to a

20   loop closure node for that looping sequence of nodes is subsequently

21   identified as being part of the path closure set; and

22   storing a list of one or more security devices that occur in the path closure set.

1   33.   (New) A computer readable medium for determining security devices in a network

2   topology, the computer readable medium carrying instructions for performing the

3   steps of:

4   identifying a source node and a destination node for traffic that is to be sent through

5   the network topology;

6   for each particular node in the network topology, adding the particular node to a path

7   closure set for the source node and destination node if the particular node is

8   part of a looping sequence of nodes in which (a) at least one node in the

9   looping sequence is already designated as being part of the path closure set

10   and (b) the at least one node designated as being part of the path closure set is

11   not also a loop closure node for that looping sequence; and

12   storing a list of one or more security devices that occur in the path closure set.

13   34.   (New) A computer readable medium for determining security devices in a network

14   topology, the computer readable medium carrying instructions for performing the

15   steps of:

16   identifying a source node and a destination node for traffic that is to be sent through

17   the network topology;

18   for each particular node in the network topology, adding the particular node to a path

19   closure set for the source node and destination node if the particular node is

20   part of a looping sequence of nodes in which at least one node adjacent to a

21   loop closure node for that looping sequence of nodes is subsequently

22   identified as being part of the path closure set; and

1   storing a list of one or more security devices that occur in the path closure set.

2   35.   (New) A computer system to determine security devices in a network topology, the

3   computer system comprising:

4   means for identifying a source node and a destination node for traffic that is to be sent

5   through the network topology;

6   means for adding, for each particular node in the network topology, the particular

7   node to a path closure set for the source node and destination node if the

8   particular node is part of a looping sequence of nodes in which (a) at least one

9   node in the looping sequence is already designated as being part of the path

10   closure set and (b) the at least one node designated as being part of the path

11   closure set is not also a loop closure node for that looping sequence; and

12   means for storing a list of one or more security devices that occur in the path closure

13   set.

14 36.   (New) A computer system to determine security devices in a network topology, the

15   computer system comprising:

16   means for identifying a source node and a destination node for traffic that is to be sent

17   through the network topology;

18   means for adding, for each particular node in the network topology, the particular

19   node to a path closure set for the source node and destination node if the

20   particular node is part of a looping sequence of nodes in which at least one

21   node adjacent to a loop closure node for that looping sequence of nodes is

22   subsequently identified as being part of the path closure set; and

1   means for storing a list of one or more security devices that occur in the path closure

2   set.